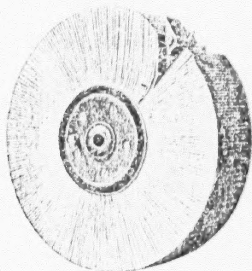


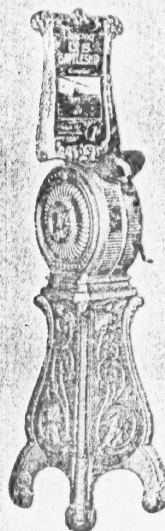
THE MUTOSCOPE REEL RENTAL SERVICE



The above cut shows a reel consisting of about 500 pictures, as used in the Mutoscope. To withstand the wear these reels are subjected to, and give best results, it is necessary for them to be returned occasionally to our factory for repair and re-shaping. We do not sell reels, but put them out on a rental system at the nominal fee of three cents a day per reel from date of shipment by us to date of return, and transportation charges. To insure their careful handling and return, we have arranged with the National Surety Co. to furnish a special bond at a cost to the customer of \$5.00 a year for 20 reels or less, \$7.00 for 30 and \$10.00 for 40 or more.

In ordering reels, it is well to select a larger number than required, enabling us to provide for absent reels, as occasionally all reels of the subject desired may be out in service. Since the establishment of our reel rental bureau, the arcade business has grown to enormous proportions, and the Mutoscopes, with their frequent change of new and catchy pictures, are the backbone of the business. We have the largest and most completely appointed studio in the world. Our production of pictures is continuous and strictly up-to-date. All sensational news events are covered by our photographers in this country and abroad, and to these are added a vast store of comedy and poignant subjects, making the Mutoscope famous the world over.

*Revised 1905 by New England*  
DIRECTIONS FOR OPERATING AND LIST OF PARTS  
TYPE E. MUTOSCOPE



AMERICAN MUTOSCOPE & BIOGRAPH CO  
11 EAST 14<sup>TH</sup> ST NEW YORK

#### TO UNPACK AUTOSCOPE

Stand case on end, with track (41) END UP, at top, facing. Draw out track and remove cover also front and side covers and upright seats, take hold of machine by feet, tip forward, thereby clearing it, and draw out of case.

#### TO CONNECT WITH DIRECT ELECTRIC SERVICE

Through a feet of circular loop, or other standard insulation, run No. 18 reinforced black twin cable of sufficient length to reach from lamp in machine to outer service, pass lamp with cable through hole in back panel of machine, up through opening in plate and back of main frame to lamp socket (609), using care not to have exposed wire come in contact with machine in. Prepare ends of cable and attach one end to terminal of lamp socket and other to terminal of switch blade (607), other ends to service plug.

These machines are thoroughly insulated and can be installed multiple on any service below 250 volts.

#### OILING MOVEMENT

Keep the mechanism clean, and where required, sufficiently lubricated. Vaseline will be found suitable for gears and a light oil for bearings. Care must be taken not to have a surplus run oil and smatter picture reel.

#### GENERAL DIRECTIONS

The vital parts of the mechanism are worm shaft or positive drive (636), worm gear (658), which carries reel and friction attachment (635-637).

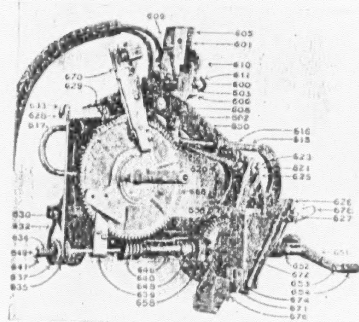
Owing to wear, the positive drive (636), or worm gear (658), will occasionally fail to turn reel smoothly, and snap back or "kick" off when operated. To remedy this replace shaft or positive drive (636) take out retaining screw (659), after which the positive drive can be drawn out. Be careful in doing this not to lose the fibre thread washer which goes against end of worm casting (660).

The friction attachment, that is, spool (635) and discs (637) with spiral spring (634), washer (641) and cutter pin (642) on rear end of worm shaft must be kept in good condition. The two discs (637), one on each side of the friction spool key (635) are made with a projection or key in opening. This fits groove in worm shaft, and after service is liable to wear down leaving hole round, allowing disc to turn on into mesh with gear when machine is operated after in-setting coin. When this occurs, replace with new disc, not worn down, allowing friction disc (637) to bear against spool near centre.

If sides of friction spool (635) are worn at outer edge a new spool should be inserted. When re-assembling, use a little lubricant between the discs and spool, otherwise excessive friction is apt to cause machine to repeat.

In case coin hook (604) becomes bent and causes breaking of coin lever (609), the parts may be replaced by detaching spring (603) and expanding filing plate (602), next remove coin gauge plate (621) and drive out cross pin, in removed, and afterwards coin lever.

Release rod (607) should be adjusted, that when operated with a coin it will move far enough to bring end on top of

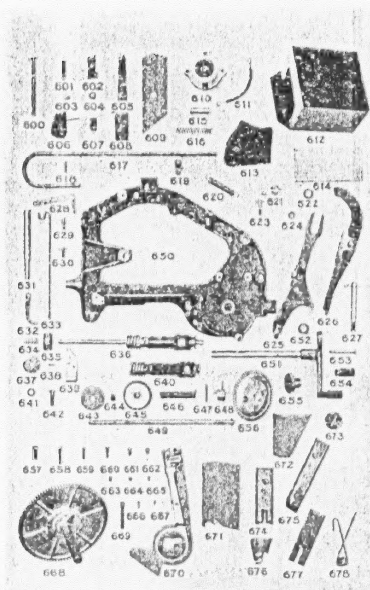


ASSEMBLED MECHANISM

second step of cam on worm gear. Long use may wear and prevent it from thus moving, resulting in coin setting machine so that reel travels only part way and "kicks" off. In this case, remove worm gear (658) and file end of rod sufficient to allow its proper movement.

In replacing parts do not let tin curtain (613) or cutter pin (642) on rear end of worm shaft project below trip, or they will cut and destroy picture reel. No part except trip should come in contact with pictures. The picture reels are expensive and great care should be taken to prevent soiling, handling with oily hands or unnecessary spattering of oil from mechanism will greatly injure them.





PARTS OF MECHANISM

PARTS OF MECHANISM  
ORDER SUPPLIES BY NUMBER OPPOSITE EACH PART,  
REMITTING CASH WITH ORDER

NO.	PART	PRICE
600	Hook Trip Post	\$ .34
601	Spring	.04
602	Switch Blade	.04
603	Copper Washer for elec. con. at Switch Blade	.04
604	Fibre Washer to Insulate Hook Trip at side	.04
605	Hook Trip Spring Support	.02
606	Trip Stop Block (fibre)	.04
607	Fibre Block for Switch Blade	.10
608	Socket Support for 110 volt Lamp	.06
609	for 110 volt Lamp	.12
610	Wire Connection between Lamp and Switch	.04
611	Light Shield	.25
612	Guard	.05
613	Lens	.02
614	Tilting Chute Return Sleeve	.06
615	Spring	.04
616	Release Rod	.15
617	" Pin	.04
618	" Spring Arm	.06
619	Coin Lever Washer	.02
620	Iron Washer for Tilting Chute	.01
621	Coin Lever Roller Stud	.04
622	"	.04
623	Tilting Chute	.12
624	" Stud	.15
625	"	.06
626	Releasing Bell Crank	.05
627	Stud for Releasing Bell Crank	.04
628	Worm Shaft Locking Link	.04
629	" Gear	.12
630	Worm Shaft Locking Link	.06
631	Releasing Link	.08
632	Friction Coil Spring	.02
633	Spool	.05
634	Positive Drive complete	1.00
635	Friction Disc	.02
636	Spool Pin	.01
637	Worm Shaft Guide	.01
638	including Worm Casting	.02
639	Friction Spring Washer	.01
640	Stud for Felt Oiling Gear	.01
641	Oiling Gear Disc	.02
642	Felt Oiling Gear	.01
643	Collar	.21
644	Worm Casting Torsion Spring	.06
645	Retaining Pin	.01
646	Torsion Spring Collar and Pin	.15
647	Worm Shaft and End Pin	.40
648	Main Frame	.62
649	Crank Shaft and Crank complete	.62
650	Sleeve on Crank Shaft	.05
651	Stud for Crank Handle	.02
652	Rubber Ferret for Crank Handle	.11
653	Bevel Pinion	.12
654	Lance Bevel Gear	.12

